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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/083,626	02/26/2002	Karsten Isakovic	117040.00055	1786

21324 7590 11/21/2007
HAHN LOESER & PARKS, LLP
One GOJO Plaza
Suite 300
AKRON, OH 44311-1076

EXAMINER

CASCHERA, ANTONIO A

ART UNIT	PAPER NUMBER
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2628

NOTIFICATION DATE	DELIVERY MODE
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11/21/2007

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10083626	2/26/2002	ISAKOVIC ET AL.	117040.00055

HAHN LOESER & PARKS, LLP
One GOJO Plaza
Suite 300
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EXAMINER

Antonio A. Caschera

ART UNIT	PAPER
2628	20071029

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Attn: Mr. David Muzilla

Dear Sir,

Attached is a supplemental notice of allowance including the amendments necessary to the specification as discussed in our interview of 10/25/07.

Sincerely,
Antonio Caschera

Supplemental
Notice of Allowability

Application No.

10/083,626

Examiner

Antonio A. Caschera

Applicant(s)

ISAKOVIC ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE/amendment filed 06/08/07.
2. ☒ The allowed claim(s) is/are 1-10 and 39-46.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in the pending application.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Authorization for this examiner's amendment was given in a telephone interview with David Muzilla on 10/25/07. The substance of the interview can be found on the attached interview summary form.

The application has been amended as follows:

Please amend the specification as follows:

[0014] In accordance with the invention that object is attained by an apparatus for image data computation and for synchronous image data output having the features of claim 1. Further independent and respectively separately patentable aspects of the concept of the invention constitute a graphics master module ~~having the features of claim 11~~, a graphics client module ~~having the features of claim 13~~, an image switching module ~~having the features of claim 15~~, an arrangement for producing and simultaneously reproducing at least two partial light images which can be perceived together as a light image having a three-dimensional effect, ~~with the features of claim 17~~, an arrangement for producing and reproducing in succession in respect of time at least two partial light images which can be perceived together as a light image having a

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three-dimensional effect, ~~having the features of claim 24~~, and a method of synchronously computing and outputting image data of at least two partial images of an image, ~~having the features of claim 35~~.

Allowable Subject Matter

3. Claims 1-10 and 39-46 are allowed.

The following is an examiner's statement of reasons for allowance:

In reference to claim 1, the prior art of record does not explicitly disclose the combination of limitations of the virtual reality computing apparatus of the claim including, the graphics master unit adapted to re-compute and store object and/or event parameters of a first scene graphics data file according to the code of a virtual reality modeling language, sending the newly computed object and scene graphics data file to at least two graphics client units, these client units each overwriting previous versions of the scene graphics data file with newly computed versions of the file such that all partial images of the scene when synchronously displayed together allow a three-dimensional perception of a three-dimensional scene by a human viewer along with sending a message back to the graphics master unit signaling the conclusion of the image computation respectively and outputting the respective computed partial images, in combination with the further limitations of claim 1.

In reference to claims 2-10 and 39-46, claims 2-10 and 39-46 depend upon allowable claim 1 and are therefore also deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Antonio Caschera whose telephone number is (571) 272-7781. The examiner can normally be reached Monday-Thursday and alternate Fridays between 7:00 AM and 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung, can be reached at (571) 272-7794.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

571-273-8300 (Central Fax)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (571) 272-2600.

aac

AAC

10/29/07

Antonio Caschera
Patent Examiner


KEE M. TUNG
SUPERVISORY PATENT EXAMINER